PRESIDENT HEADS NEW SERVICE COMMITTEE

Administration, Faculty and Students to Co-operate in Formulating a National Service Policy at Institute

TO ISSUE BULLETINS REGULARLY

The following bulletins were received from the Joint Committee on National Service recently formed:

The Joint Committee on National Service of the Massachusetts Institute of Technology

Bulletin No. 1 April 27, 1917

In view of the extraordinary conditions created at he Institute by the war. and on the representation of various members of the student body and of the Faculty, President Maclaurin has created a Joint Committee of Faculty and students which is to have charge of all matters relating to national service on the part of students. The Committee is o serve as a means of co-ordinating all forms of effort, of giving stability to the work of the Undergraduate Preparedness Committee, and of providing for EFFECTIVE DISSEMINATION of RELIABLE INFORMATION.

In its composition the Joint Committee is intended to be thoroughly representative of different elements in the student body and of the staff of instruction and administration. It consists of fifteen students and of eleven Faculty members, with President Maclaurin as chairman. It is composed as

President Maclaurin, Dean Burton, Registrar Humphreys, representing the administrative officers.

Professors H. Fay, W. K. Lewis, E. F. Miller, C. H. Peabody, H. G. Pearson, W. T. Sedgwick, W. E. Wickenden, representing the Faculty.

Major E. T. Cole, Captain J. W. Howard, representing the Military Depart-

E. P. Brooks, J. M. DeBell, J. W. Doon, L. L. McGrady, R. W. VanKirk, representing the Institute Committee.

A. F. Benson, H. T. Swan, D. D. Warner, A. E. Windle, representing the Undergraduate Preparedness Committee.

E. F. Deacon, Drill Squads. R. W. DeMerritt, Captain Engineer Corps.

A. N. Pray, The Tech. A. E. Tuttle, Rifle Club.

K. Reid Architects.

C. H. M. Robers, Colonel of Regiment. The Joint Committee met and organized on April 24. For the more effective transaction of business it appointed an Executive Committee consisting of Debell (chairman), Brooks, Cole, McGrady, Miller, Peabody, Pearson and Van Kirk.

The subject of drill squads in which men desiring to become officers may gain practice in commanding men was discussed at some length by the Joint Committee, and a special committee of which Major Cole is chairman was aprointed to formulate definite plans on this subject. It is expected that this committee will shortly announce its plans to the student body.

Another subject which was discussed and upon which action was taken is the matter of publicity. The Executive Committee voted that an official bulletin board be established in the corridor opposite the Informaion Office, and that all notices relating to various forms of national service be placed there, and nowhere else. The committee expects also to avail itself of the generous offer made by The Tech of space in its columns. Propositions for enlisting or taking positions for all sorts of service are being made every day; it is the purpose of this committee to investigate these carefully and to report on them for the benefit and protection of the student Class Elections. The Tennis Commitbody. It will do this by the means of tee reported that six courts had been bulletins issued frequently.

Members of the instructing staff and of the student body who wish to bring any subject before the Joint Committee are requested to write to R. W. Van the cost. Kirk, Secretary, Information Office.

(Continued on page 3)

Bulletin Number 2 of Joint Committee on National Service at Institute

April 27, 1917.

For the benefit of the student body the Joint Committee on National Service publishes the following resolutions passed by the Faculty at its meeting on April 25, 1917:

WHEREAS: The nation is now at war and must therefore receive the aid and the co-operation of its States and their many organizations, BE IT RESOLVED: That the Faculty of the Massachusetts Institute

of Technology hereby records its desire to assist and to co-operate with the President and the Congress of the United States, by affording every opportunity for students to enter for sufficient reasons the service of the United States before the end of the war.

In order that its Seniors may be available for Military and Civil Service. it is voted that the candidates for graduation whose records were clear at the time of the declaration of war, upon entering the service of the Country, be excused from further exercises of the term and be at once recommended for their degree. It is further voted that the cases of other Seniors be referred to the Committee on Faculty Business with power to

Upon being ordered into active service, it is voted that students of all classes who, at the time of declaration of war were members of the National Guard, Naval Militia and similar organizatinos, will be granted leave of absence. If they return to the Institute at the beginning of the school year, they will be admitted provisionally to the work of the next year. They will upon showing their ability to carry on the advanced work, be excused from the remaining work of the current term.

With regard to students below the fourth year class, the Faculty strongly urges that they remain at the Institute and complete their technical training; it believes that, for them, this is the most effective kind of national service that they can perform. Those who desire to do so will probably have the opportunity to enroll next fall in the four year Military Course, which, it is expected, the War Department will establish

Institute Committee Hears Preparedness Report

A special meeting of the Institute Committee was held last Monday afternoon when the Undergraduate Preparedness Committee made its report through its chairman, A. E. Keating '17. The report was a composite of three minor reports of sub-committees on the Army, the Navy, and the Industries:

A short paragraph on the questionaire blanks and the Army Report says: "Due to the diversified opinions exthe Institute to students desiring advice as to the best course to follow, a very acute situation has resulted. In order to remedy this, your committee recommends that a commission composed of members of the Administration, Faculty and Undergraduate Student Body be requested to define a policy for undergraduates at Technology in regard to government service. We also recommend that this commission be delegated the power to act without redress to the Institute Committee.

"Your committee recommends the following men as members of this commission: President Maclaurin, Chairman exofficio, Dean Burton, Registrar Humphreys, Major Cole, Professors Pearson, Peabody, Lewis, Fay, Miller, Sedgwick, Wickenden and Howard. The undergraduate members are J. W. Doon, L. L. McGrady, E. P. Brooks, J. M. DeBell, L. A. Swan, A. E. Windle, E. P. Warner, R. E. DeMerritt, A. E. Tuttle, R. W. Van Kirk, Jr., A. L. Pray, C. H. M. Roberts, K. Reid, E. F. Deacon and A. F.

The above report, together with the Navy and Industrial sections, was accepted. It was moved and passed that a commission as recommended in the report be authorized.

A. E. Keating, chairman of the Undergraduate Preparedness Committee, tendered his resignation on account o. his entering the United States service ing's resignation and extending him the A motion was passed accepting Keatwas elected to succeed Keating as box. chairman of the committee.

The amendments to the class constitions recommended by the Class Electristant of the interclass series. tions Committee were passed and W. P. Ryan '18 was elected Supervisor of DISTRIBUTING TECHNIQUES provided for, and will be located between Tech Field and the Walker Mcmorial Building, and that one court 10 every day except Saturday and Sunwas under construction to determine day from 1.00 to 2.00 o'clock to dis-

Room 1-190.

NOMINATIONS OPEN FOR NEXT YEAR'S CLASS OFFICERS

May Eleventh Finally Set as Date for Elections

Election of officers for the classes of 1918, 1919, and 1920 held this year in the spring for the first time, will take place Friday, May 11. Nomination blanks are to be issued and will be due at the Caf 5.00 o'clock Saturday, May 5. The nomination papers' must be signed by ten men, and together with the name of the candidate for office must contain a list of his activities and previous offices.

A recent change in the elections, made by the Institute Committee, does away with the class dues requirement in force in previous elections. Men are eligible to vote and to run for office whether or not their class dues are paid.

The offices which are to be filled at these elections are for next year, and comprise the following: President, Vice-President, Secretary, Treasurer, two members of the Institute Committee from each class and two members of the Class Executive Committee.

JUNIORS PLAY BOSTON COLLEGE SECOND TODAY

Game With Sophomores Arranged For Tomorrow

This afternoon the Junior baseball team will play Boston College second on the latter's field. The team will meet in the main lobby at 1.30 o'clock sharp, and will go out in a body. Although Bostou College is considered to have a strong team this year, the 1918 team, which consists of almost all veterans of last year's Sophomore team looks forward to a victory. The Juniors possess an extremely strong infield in Gleason, C. Howard, Coleman and Levine, and they are also well fixed for a catcher, Hysom's playing in the game against Boston University, which was won by the score of 6-5, assures him of a place behind the plate. Either W. Wilson, A. Howard or Blanchard will do the pitchthanks of the Institute Committee for ing. In the B. U. game both A. Howard the work he has done. A. F. Benson and Blanchard showed up well in the

> Tomorrow afternoon there will be a game with the Sophomores, which is the

IN LOBBY EVERY DAY

A member of the Technique management will be in the lobby of Building tribute books to those who hold sign-The next meeting of the Institute up slips. All sign-ups are void after

AMERICANS FIRST TO FLY" SAYS GODFREY CABOT'81 TO AERO CLUB

Professor Peabody, Head of Naval Architectural Course, and Harvard Aeronautical Society **Guests at Meeting**

TO MARBLEHEAD TUESDAY MORNING TRIP

ant Godfrey Cabot '81, President of the New England Aero Club, addressed the members on the atmosphere as related to flying. Besides being the President of the New England club Lieutenant Cabot is actively engaged in training men to fly and is associated with the Massachusetts Aviation Training Corps which will maintain a training camp at Squantum this summer. Professor Peabody and the members of the Harvard Aero Club were guests.

Everything "Swims in Air"

Mr. Cabot in beginning said that the air was the thing that one "swims" in when flying and knowledge of the air and its constituents is therefore very essential to an aviator. "We live at the bottom of an ocean of air bounded on the bottom by the earth and the sea and on the top by an imaginary line approximately fifty miles above the earth's surface; various means have been used to determine the height to which the air extends, all of which are only approximate, the most common method and the one that seems to be most nearly right is to observe the height at which meteorites first come into view. The bottom of this ocean of air is in Palestine in Asia Minor, where the land is below sea level. A curious coincidence is that the Dead Sea which is very near this low place is made up of a very dense brine and hence has great supporting power, redro-airplanes then are ordinarily used." utuents or the air have more or less each constituent acts independently, that is it acts just as if it were the only thing in the air and that the actual properties of the air are the resultsmall amounts of various other gases and water vapor in varying amounts. constituent as far as the aviator is concerned; the amount of aqueous vapor flying because it is on this that the density of the air depends. Observations of the upper air have been car-

At a meeting of the Aero Club held ried on at various times by means of in the Caf Wednesday evening Lieuten- box kites to which were attached recording thermometers and barometers thus enabling the observer to get the temperature and the pressure at different heights. Small balloons were also used being made so that they would explode when they reached a certain height and provided with parachutes so that the instruments would not be broken in falling. It has been found that the density of the air decreases as we get higher above the earth's surface and that the temperature also decreases, at the height of seven miles the temperature being ninety degrees below zero."

Americans First to "Fly"

The first person to fly, said Lieutenant Cabot, was Montgolfier, a Frenchman, who made the first hot air balloon and succeeded in ascending in it. The first persons to make a successful flight in a heavier-than-air machine, however, were Americans, the Wright brothers. "It is true that others had built airplanes, that is machines which did not depend on gas or hot air as a means of support, but none of these inventions were successful, all of them resulting more or less disastrously for their makers." In connection with the invention of the airplane, Mr. Cabot also said that nearly all the inventions that had proved to be of value in war were American ones-the telephone, the telegraph, the submarine, the machine gun and numerous others. "The United quiring much smaller pontoons on by States was the first nation to use the airplane for scouting purposes in war-According to Lieutenant Cabot, the con- fare when in 1913 a lieutenant of the Signal Corps flew inland from to do with the way in which it acts, Cruz and ascertained the whereabouts some even going so far as to say that of the Mexican camp when we were having trouble with Mexico and our forces occupied the town of Vera Cruz. Since then airplanes have been used very extensively in warfare, limited ant of all the various properties of its nearly altogether to scouting purposes." different constituents. "The air is com- The dream of the aviator, according to The dream of the aviator, according to posed of oxygen, nitrogen, argon and Lieutenant Cabot, is to make a machine that will be capable of carrying a torpedo of such a size that it would The last is by far the most important be dangerous to ships: a torpedo of such a size would weigh in the neighborhood of 2000 pounds, and at the in the air has a great deal to do with present it is impractical to build machines that will carry so heavy a load,

(Continued on page 3)

FOUR MILE TEAM IN PENN RELAYS TOMORROW

Meet With Brown May 5-1920 Dickering with Exeter

The Varsity four-mile relay team, consisting of Halfacre '18, Herzog '19, McCarten '19, and McMahon '20, will compete in the annual relay carnival at Philadelphia tomorrow. This is the same team that competed in the I. C A. A. A. A. indoor meet last March The other entrants in the four-mile race will be the University of Pennsylvania, Penn State College, and the University of Chicago. The first of these teams was badly beaten by our team in the I. C. A. A. A. meet, the strength of the second is unknown, but Chicago 1.30 P. M.-Junior Baseball has just won the championship of the West. O'Hara '17, will compete in the 2.00 P. M.—Freshman and

Tomorrow afternoon, there will be a scratch meet on Tech Field which will 2.00 P. M.—Freshman Baseball Squad. be open to all. This meet will be used as a means of picking a team to go to Providence on May 5 for a dual meet 2.00 P. M.—Sophomore Baseball Pracwith Brown. The Team for the N. E. I. C. A. A. will also be chosen at this 2.30 P. M.

Several attempts have been made to 2.30 P. M.—Tennis Match with Brown. stage a meet between the freshmen and Committee will be held May 10 in May 5, when the waiting list will be Exeter, but it has been impossible to 4.00 P. M. decide on a satisfactory date.

CHAMBER OF COMMERCE URGING NAVAL COURSE

Officials of the Boston Chamber of Commerce are desirous of having the Navy Department accept the offer of Technology to present an extensive course in naval and maritime matters. Graduates of this course would be qualified to pass an examination at Annapolis. Some time ago President Maclaurin telegraphed the outline of such a course to the department but has received no reply.

CALENDAR

Friday, April 27, 1917

Meets. Lobby Building 10. Tennis Practice. Field.

Ames Street Field.

Saturday, April 28, 1917

tice. Ford Field. -Scratch Track Meet. Tech

Field.

Longwood Courts.

-Meeting Russian Speaking Students. Room 1-175.



Entered as second-class matter, September 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

Published tri-weekly during the college year by students of the Massachusetts Institute of Technology.

MANAGING BOARD
John W. Damon '18General Manager
Alfred N. Pray '18Editor-in-Chief
Donald D. Way '19
John Meader '19Treasurer
George A. Irwin '19
Oswald Cammann Jr. '19

OFFICE HOURS.

General Manager-10.00 to 12.00, daily, except Wednesday. Telephone, Cam-

Editor-in-Chief-5.00 to 6.00, daily, except Wednesday. Telephone, Cam-

Managing Editor-5.00 to 6.00, Tuesday and Thursday. Telephone, Back

Advertising Manager-11.00 to 12.00, Monday, Wednesday and Friday. Circulation Manager-1.00 to 2.00, Tuesday and Thursday.

Subscriptions, \$1.50 a year in advance, if paid before November 1; \$2.00 a year after November 1. Single copies, 5 cents.

Subscriptions within the Boston Postal District or outside the United States must be accompanied by postage at the rate of one cent a copy. Issues mailed to all other points without extra charge.

News Offices, Charles River Road, Cambridge, Mass.; 152 Purchase Street, Boston, Mass. News Phones, Cambridge 2600, Main 3810. Business Offices, Charles River Road. Business Phone, Cambridge 2600.

FRIDAY, APRIL 27, 1917

SPRING ELECTIONS

AST year the Institute Committee decided to change the time of elections from the fall to the spring, in order to save the former delay in certains to the save the former delay in getting to the year's work in activities. There are many reasons why this arrangement should work bneficially. Fresh from a year's association with his classmates, everyone should be in a position to select his candidate intelligently, and no one need be led to vote on a basis of snap judgment or vaguely recalled opinions. Moreover, there is now the opportunity to consider class interests unhampered by the rush of business which ensues just after registration; and, not the least circumstance resulting from the change, since payment of class dues will not be a requirement for voting, a great deal of red tape will be eliminated from the election

One of the chief troubles of class activities has been the election of officers by a minority, due to the generally small number of students who go to the trouble of voting. This is unfortunate, and seems to proceed from a misapprehension of the or more years are entitled to a little value of class organization rather than from actual lack of time gold charm. The charm is a small to consider class affairs. Nearly all upperclassmen find time to join their professional society, and usually to show some interest in its meetings; but questions affecting a class as a whole are neglected. In thus missing the point of the activity organization, the undergraduate fails to appreciate one of the greatest things in Technology life—his relation with men in different technical lines who will be his contemporaries in professional life, and with whom he must learn to work. After a man's graduation from Technology, the strong or weak organization of his class will always stand, a ceaseless source of pride or regret; and it is not conducive to strength or pride when fifty per cent of the membership fail to register even an opinion in the selection of men for class leaders.

THE JOINT PREPAREDNESS COMMITTEE

F proof were wanted of Technology's calmness and ability to cope with war conditions, it is at hand in the action of the Institute Committee and President Maclaurin in appointing a council of twenty-six Faculty and student members to take over the work of the Undergraduate Preparedness Committee regarding student action. The Joint Committee will serve to combine and unify the advice from the best sources at the Institute, and use its counsel directly to influence student opinion. Technology is to be congratulated on going about concerted action in the right way, instead of rushing ill-advised and hasty steps which would vitiate the best of intentions to serve.

Five hundred copies of Technique remain in the hands of the Board, in wait for the payment of sign-ups against which the books were ordered. The final date for making good the sign-ups is May 5. and the redemption of these pledges before move to Everett, Mass., the Everett that time is looked for as a duty of the men who made them. It may be that one has looked over one's neighbor's Technique -but that does not justify letting the matter slip out of mind!

The Tech wishes to announce the opening of an editorial contest, to be held for the purpose of selecting an Editorial Board of men from the two upper classes. The Editor will consult with Juniors and Sophomores interested in taking up this work.



The Nettleton Shoe For Men

A Shoe of Supreme Excellence

FRANKLIN P. WINSTON GO.

14 MILK STREET

BOSTON, MASS.

M. E. SOCIETY TO GIVE BANQUET NEXT THURSDAY

Election of Officers Will Be Held-Nominations Due Now

The final event in the Mechanical Engineering Society program for this year will be the banquet of the society to be given at the Riverbank Court Hotel next Thursday evening. Announcement was made by the officers of the society that the very best in the way of speakers, music and entertainment have been obtained and an exeptionally good menu has been se-

The annual election of officers will immediately.

SPRING CONCERT MONEY MUST BE IN MONDAY

The committee in charge of the Spring Concert wishes to announce that all ticket money for the concert must be handed in before next Monday in order that the books may be closed before the final banquet on May 12. For the purpose of collecting this money, the Musical Clubs office will be open from 12.00 to 1.00 o'clock today and tomorrow.

The committee announced that all men who have been on the clubs two rectangular one bearing a raised figure on Pan playing the lute and "M. I. T. Musical Clubs' engraved beneath. These are to be paid for by the men, and will cost \$3.50. Anyone desiring a charm should leave notice at the Musical Clubs office before Monday.

CORPORATION XV INACTIVE IN THE FACE OF WAR

The Corporation has not been active lately owing to the war conditions. At a recen meeting of the Board of Direca recent meeting of the Board of Directors, the following committees were appointed:

Employment Committee, Strout '17, Toole '17, Welles '17; Shingles Committee, Sand '17, Fogarty '17; Permanent Association Committee, Brooks '17, Erb '17; Baseball, A. Howard '18; Special Committee, Howes '17, Litchfield '18.

The Outing Committee which conducted hikes during the year was composed of D. E. Bell '17, but this committee has been abandoned on account of the present condition of the country.

COURSE X-A MEN SHIFT AGAIN

In accordance with the plans for the traveling courses in the department of Chemical Engineering Practice, the students of the various stations will be shifted for the second time since the installment of the course at the beginning of the present term. The change of stations will take place on Monday, April 30, when the Bangor, Me., group will group to Niagara Falls, N. Y., the Niagara Falls group to Stamford, Conn., the Stamford group to Northampton, Penn., while the Northampton group will take up its duties at Bangor.

All indications, as furnished by the results obtained at the staions and the frequent applications of industries for a station, tend to signify that the new course is holding its own in the educational as well as the industrial field.

The Advantages We Offer

An efficient and courteous organization, progressive methods, large resources and three offices, conveniently located in different sections of Boston, combine to make the Old Colony Trust Company the most desirable depository in New England.

> Capital and Surplus \$ 12,009,000 Total Deposits over 125,000,090

Old Colony Trust Company 17 COURT STREET 222 BOYLSTON SI. 52 TEMPLE PLACE



Old Clothes Wanted

By MAX KEEZER

Highest cash prices paid for your cast-off clothing. Also Old Gold, Watches, Chains, Diamonds, Stick Pins, Bric-a-Brac, Furniture, Rugs, etc.

Will call at your room day or evening at your pleasure.

1236 MASS. AVE. Telephones-308, 2936 If one is busy call the other.

Telephone Beach 2941, 2942

(Hotel) Boyiston Place (Near Colonial Theatre)

OPEN TILL MIDNIGHT

ITALIAN RESTAURANT Luncheon du Jour, 11.30 to 2.30 Table d'Hote Dinner, 5 to 8.30 CAMBRIDGE A la Carte All Day

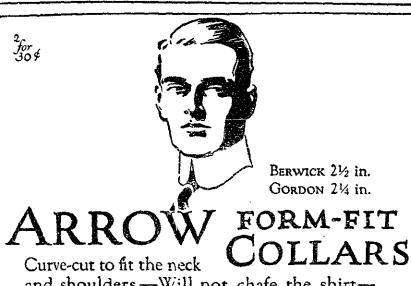
Strictly Italian Cuisine Complete Wine List

State Street Trust Company

Main Moffice 33 State Street

Copley Square Branch, 579 Boylston Street Massachusetts Avenue Branch, Cor. Mass. Ave and Boylston Street

Interest allowed on deposits of \$300 and over



and shoulders—Will not chafe the shirt— Waistcoat cannot ride up under collar.

CLUETT, PEABODY & CO., Inc., Makers



Messis. Brooks Brothers announce the removal of their BOSTON SALES-OFFICES to new and enlarged quarters on the Second Floor of THE LITTLE BUILDING. Tremont, cor. Boylston St. April 2, 1917

你你你你你你你你你你你你你你

NOTMAN

Telephone Beach 4713

Official Photographer For Mass. Institute of Technology and Harvard University Studios:

3 Park Street. Boston 1286 Massachusetts Ave., Cambridge Special rates to all Tech Students



BOSTON STUDIOS 161 TREMONT ST. Tel. Beach 858 164 TREMONT ST. Tel. Beach 2687

> NEW YORK STUDIO 306 FIFTH AVE.

People who know relative values in por-raiture have the Champlain Studios' im-print on their portrait photographs. That imprint reveals you at your best. It pictures you "As in a Mirror." Group pictures taken for members of fraternal organizations and social gatherings.

JOB BOOKBINDING IN EVERY STYLE

ALEXANDER MOORE 437 BOYLSTON ST. BOSTON Cor. Berkeley St.

AERO CLUB MEETS

(Continued from page 1) the reason being that in making the frames larger their strength does not increase in the same proportion as their size. As an example of this he cited the case of some huge three plane 1000 horsepower machines that the British Government had built; they were so heavy that their own weight broke them to pieces. Several of these machines were built by the Burgess Company to order for the English Govern-ment and they did not stay together long enough to be delivered. Notwith-

criticised for not building more war officers in the fundamentals of the difplanes. Mr. Cabot said that this criti- | ferent schools. Drill will be held becism was in part justified but that tween the hours of 4.00 and 6.00 o'clock there were also good reasons for not and will be conducted so that every man doing so, the main one being that there | will have an opportunity to command had been no need for them heretofore and lead a squad before the close of the because the country was not at war. drill. It is not necessary that a man Another reason is that the design of should provide himself with the regulaairplanes undergoes a radical change tion uniform, although it is very desirevery few months so that a machine able from a military point of view. This that is considered to be the best obtainable now may be obsolete in a short time, so that, if there is no immediate need for war planes there is no need of building a lot of them which will be practically useless next year. Still another reason is the fact that the and Regiment this does not apply. It is United States builds their machines much stronger than the ordinary Euro- terfere with the work of these organipean machine thereby giving a much zations. Information may be obtained greater factor of safety involving far | from any of the members of this comgreater cost. There is at present a mittee. great need for a lot of slow flying school machines for use in training pilots. A few fast battle planes are also, needed, although not as badly as the training machines.

In concluding his talk he spoke of the training camp at Squantum and said that he thought that it was doing very important work. There are now three professional pilots at the camp and they have several tractor biplanes so that they are well equipped for the work of training men as pilots. The capacity of this school is limited to eighty men so that it will be rather hard to get in as they have literally Brookline, at 2.30 P. M.

Particularly for the Convenience of Our Technology Patronage

We have opened a new, efficient, up-todate and hygienic barber shop, near the Kenmore Subway Station at 496 Commonwealth Ave., Hotel Kenmore.

We extend the facilities of our service to you at either of our shops.

The Tech Union Barber Shops

496 Commonwealth Ave. Cambridge Latin School. Copley Square

been swamped with applications. Mr. Cabot suggested that any men interested in going to this school with the intention of later going into the Navy write to the War Department for Navy General Order 198 which contains all information relating to requirements for commissions in the Navy for those who have been through a private training school.

Professor Peabody Speaks Professor Peabody, head of the Naval Architectural Department, and also head of the Graduate Course in Aero Engineering, then spoke to the meeting for a few moments on the Aero course given here at the Institute. He said that, whereas Mr. Cabot had described the need for pilots and instructors, he thought that there was also a great need for engineers in the aeronautical field. He said that, although the course in Aero Engineering given by the Institute is primarily a graduate course, any undergraduates who wish to take it and have the necessary preparation may do so. He invited any who are interested in the matter to come and consult him.

Club Elects New President Owing to the fact that the president of the club, E. P. Warner '17, is no longer a student in the Institute it became necessary to elect a new president. C. H. Tavener '19 was elected to the office by a unanimous vote. He was one of the founders of the club and has been prominent in aeronautical work at the Institute since it was first started. G. S. Murray '18 was elected secretary to fill the place left vacant by Tavener's election to the office of president. D. B. Murphy '19 was elected to the Executive Committee to fill the place left vacant by the resignation of Warner.

Trip to Marblehead Tuesday The club will take a trip next Tuesday to the plant of the Burgess Company which is located at Marblehead. The Burgess Company is the manufacturer of the well known Burgess-Dunn machines. It is also probable that a trip will be made to the Hyde Park factory of the B. F. Sturtevant Company in the near future. This factory manufactures motors exclusively, making all the engines that are used in the Sturtevant machines,

PRESIDENT HEADS NEW PREPAREDNESS COMMITTEE

Continued from page 1)

REPORT OF THE COMMITTEE ON DRILL SQUADS

For the benefit of those men in the Institute who feel they have a limited knowledge of the Manual of Arms and standing, Mr. Cabot predicted that in the future three or more planes would be used to carry great weights.

U. S. Criticised for Lack of 'Planes'

Infantry Drill there will be an opportunity for instruction along these lines every afternoon at Tech Field. Through the courtesy of the Military Depart-The United States has been severely ment men will be trained by competent is a sort of work that should appeal to the men of the three lower classes who feel that they must do something outside of the Institute curriculum and at the same time remain at Technology. To those who are in the Engineer Corps not the desire of this committee to in-

> Committee-Major Cole, Chairman, Professor Howard, C. H. M. Roberts, E. F. Deacon, R. E. DeMerritt.

TENNIS TEAM STARTS SEASON WITH BROWN TOMORROW

As the first tennis match with Harvard 2nd was cancelled by Harvard the management has secured a match with Brown for tomorrow at the Longwood Courts on Brookline Avenue,

These are the men who will play: R. B. Swain '17, 1st single; W. F. Kimball '18, 2nd single; M. Pierce '18, 3rd single; W. Wyer '18, 4th single; Swain and Kimball, 1st doubles; Pierce and Wyer, 2nd doubles.

Captain Kaler will not be able to play on account of an injury last summer.

FRESHMAN BASEBALL

Practice for the freshman baseball team is being held every afternoon on the Ames St. field. The interest of the freshmen in their class team has been very poor. Only five or six men have been practicing and as a result several games have been cancelled. Friday HOTEL WESTMINSTER HOTEL KENMORE afternoon there will be a game with

"THE CLOTHES

PROCLAIM THE MAN"

To Tech Men

When clothes are wanted call on

Macullar Parker Company

who are manufacturers and retailers

(Established since 1849)

DEPENDABLE FABRICS, WORKMANSHIP AND STYLES

GARMENTS READY MADE AND MADE TO ORDER

Fine Haberdashery

Custom Shirts

Linen Mesh and Athletic Underwear

Sole Boston Agents

for the famous Stetson special hats

EVENING DRESS CLOTHES

SPORT GARMENTS

Boston

400 Washington Street

-WHEN YOU GO OUT IN THE WORLD

and equip your first laboratory perhaps you will have doubts as to what is the best apparatus to install for your particular requirements. Our experience as specialists on laboratory apparatus for sixty odd years is at your disposal. We enjoy such co-operation—invariably it leads to firm business friendship. There must be a reason.

> Catalogs and descriptive literature gladly sent to enquirers stating their affiliations

EIMER & AMEND

FOUNDED 1851

Industrial and Educational Laboratory Apparatus Chemicals and Drugs

OTTAWA, CANADA .

PITTSBURGH, PA. NEW YORK, N. Y.

Tutoring in Mathematics, Engineering, Physics,

Astronomy

G. B. Collier, B. S., A. M.

10 WARE HALL HARVARD & REMINGTON STREETS

Phone Camb. 4456-M

HIGH-GRADE

For Domestic Uses

Our Crozer-Pocahontas Bituminous Supplied to the Institute

Burton-Furber Coal Co. 50 Congress St., Boston

GEORGE W. DNULEAVY **UP-TO-DATE** BARBER SHOP

Absolutely Sanitary in Every Way 9 AMERICAN BARBERS

636a Massachusetts Ave. Central Sq.

Pavilion Billiard Hall 84 MASSACHUSETTS AVE.

Directly opposite "Tech" STATE OF A TATALAND AND A TATALAND A TATAL

No matter what course Hours: Evenings and by appointment you're taking you need this famous pencil!

BECAUSE of the superlative quality of material and workmanship, VENUS is the finest pencil it is possible to make. If you like a thick soft

lead that marks so that you can read the writing halfway across the room, choose the soft degrees 6B-5B-4B. For short-hand notes or easy writ-

ing 3B-2B-B (medium soft) are popular. popular.
For sketching, general writing purposes, etc., HB-F-H-2H

(medium) will prove desira-For drafting, a medium

hard pencil gives the best results and you'll like 3H-4H-5H-6H. For very thin, narrow lines

for extremely accurate graphical charts, maps, details, etc. 7H-8H-9H are available. Look for the distinctive water mark finish on each of the 17 black

degrees and hard and medium copy-Your professors will confirm these

statements as to the merits of VENUS pencils. For sale at the college book store.



American Lead Pencil Co. 215 Fifth Ave., Dept. P.P., New York

When you want music or entertainers call

WALTER JOHNSON'S COLORED

ORCHESTRA At the Colonial Restaurant Tel, Br. 2102-R until 12 o'clock Beach 74020 from 3 till 8

STILL CHANCE FOR OARSMEN

Official Ending of Season Will Not Close Boat House Although the rowing season ended



Riverbank Court Hotel Cafe

Opposite Technology Buildings Service a la carte or table d'hote Dutch Room and Garden of Roses may engaged for banquets, assemblies, iuncheons, etc. Menus submitted. PRIVATE DINING BOOMS

for 6 or more may be reserved by phone-2680 Cambridge

STONE & WEBSTER

FINANCE public utility developments.

DESIGN steam power stations, hydro-

electric developments, transmission

lines, city and interurban railways.

gas plants, industrial plants and

CONSTRUCT either from our own de-

REPORT on public utility properties,

MANAGE railway, light, power and

NEW YORK BOSTON CHICAGO

proposed extensions or new projects.

signs or from designs of other engi-

BUY AND SELL securities.

neers or architects.

gas companies.

2-oz. Can, 25 cents

4-oz. Can, 45 cents

8-oz. Can, 80 cents

16-oz. Can, \$1.60



STATISTICATION OF A TATALOG AND A SALAR AN

J. C. LITTLEFIELD High Class Tailor

12 BEACON STREET

Evening Clothes a Specialty

Tel, Back Bay 2196-M from 9-12 Beach 74020 from 3-8 WALTER JOHNSON'S COLONIAL ORCHESTRA

Music for All Occasions 59 Dundee Street Boston, Mass.



H otel

An hotel which has the atmosphere of a college club.

Historic as a stopping place for University Athletic Teams.

Unusually attractive to college men-graduates or undergraduates.

Popular for its dances in the Rose Garden from 10 P. M. to 1 A. M. Saturdays 9 P. M. to 12 P. M.

L. C. Prior, Managing Director

The PERFECT

Pipe Tobacco

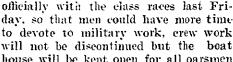
O. P. M. IS MILD, FRAGRANT,

SLOW BURNING, AND

It is ABSOLUTELY THE

FINEST MIXTURE

PRODUCED



to devote to military work, crew work will not be discontinued but the boat house will be kept open for all oarsmen wishing to use the boats The management has suggested that the men divide into groups of eight and arrange with the assistant manager for an hour of practice when the shell will be reserved. During the spring there will be plenty of opportunity for races with the Harvard scrub crews.

Following a competition which lasted for two months J. J. Hines, Jr., of Brooklyn, N. .,Y has been elected manager and G. R. McNear, of Auburndale, Mass., assistant manager of the freshman crew. R. G. Mosscrop and R W. Bridrick have been retained as second assistant managers. There will be no further competition during the spring.

M. I. T. GEOLOGICAL CONFERENCE

The sixth meeting of the M. I. T. Geological Conference for the year 1916-1917 will be held on Friday, May 4, 1917, at 4.30 p. m. in 4-345. A paper on "The Geology of the Telkwa River Region, B. C.," will be presented by Mr. Victor Dolmage.

FOUND

Found: A small picture of a child, evidently kept in the back of a watch. Apply to R. E. Rogers, Room 2-275.

RUSSIAN SPEAKING STUDENTS MEET TOMORROW AFTERNOON

Tomorrow afternoon at 4.00 o'clock there will be a meeting of all Russian speaking students attending the Institute and Harvard University in Room

CATHOLIC CLUB DINNER The dinner of the Catholic Club will be held Tuesday, May 8, at 7.30 P. M. at the Riverbank Court Hotel.



MADISON AVENUE COR, FORTY-FOURT , STREET

Telephone Murray Hill 8800

Owing to an unforeseen delay in the completion of THE LITTLE BUILDING we shall remain at our present Boston Address

149 TREMONT STREET until further notice

A Copy of Our New Illustrated Catalogue containing more than One Hundred Photographic Plates will be mailed to anyone mentioning THE TECH

Particularly for the convenience of our Technology Patronage

The Walton Lunch Co. have opened up one of the finest

DOES NOT BITE THE TONGUE

That's Why It's Perfect

Manufactured by

COBB, BATES & YERXA Co., Boston, U. S. A.

Dairy Lunch Rooms

in New England

Opp. Technology Bldg. 78 MASS. AVENUE

Browning, King & Co., Inc.

407-411 Washington Street, Boston, Mass.

Our Lines of

SUITS and OVERCOATS

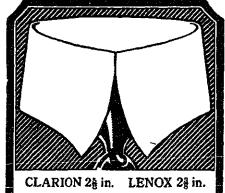
at \$15.00 to \$25.00 are exceptional values The Better Grades from \$30.00 to \$40.00

Collins & Fairbanks Co

Young Men's Hats

IMPORTED CLOTH COATS, CAPS and GLOVES

383 Washington St., Boston



Two heights in the new



GEO. P. IDE & CO., Makers, TROY, N. Y. Also Makers of Ide Shirts

Hotel Cumberland

NEW YORK

Broadway, at Fifty-fourth

Street

Broadway Car from Grand Central

Depot

KEPT BY A COLLEGE MAN

HEADQUARTERS FOR COLLEGE MEN

SPECIAL RATES FOR COLLEGE

TEAMS AND FOR STUDENTS

Ten Minutes' Walk to Forty Theatres

Rooms with bath,

\$2.50 and up

HARRY P. SIMPSON,

Manager

The Cumberland does more College

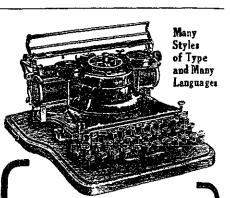
Business than any other Hotel in

New York

Up the Alley, Opposite Bacon's, Rear Tremont Theatre, Off Avery St.

Table D'Hote Dinner Our Regular Lunch -Both Unsurpassed in Boston-Our a la Carte Menu includes the very best of everything in the market

COMPLETE WINE LIST Music-Soloists Tel. Besch 1313 Banquet Rooms for Parties 4 to 1.50



Typewriter Exceptional

For Collegians Change your type in an instant from one style to another—or any language. THE

MULTIPLEX

Two sets of type in each machine.
Just Turn the Knob" Presto one or the other Simple—Compact—Portable Beautiful work-beyond compare. If not inclined to a new machine, nquire for our **ractory Rebuilts.** We Rent Machines of high quality.

Patrons: President Woodrow Wilson Cardinal Merry del Val Dr. Alexander Graham Bell Chancellor Rev. B. G. Trant Bishop John G. Murray William Dean Howells also all Colleges and Universities Our special terms to collegians will

nterest you. Catalog for the asking.

Hammond Typewriter Co. 545 East 69th Street New York Ci y. N. Y.

WHITE **PHOTOGRAPHER**



172 TREMONT STREET "You'll never be as young as you are

Louis Casso & Son **TAILORS**

today"

Offer Special Prices to Tech Students Contract pressing by month, \$1.50 Men's Suits naphtha cleansed and pressed, \$1.00 All goods called for and delivered

free of charge Cor. MASS. AVE. and MARLBORO ST. Tel. B. B. 2078-R

Mild, Slow Burning, Cool, Inexpensive

McMORROW

Shoes for College College

> 238 WASHINGTON STREET, BOSTON, MASS. **Opposite Thompson's Spa**



WORDS IN

SMOKING

2 oz. 1 foli package

AIR-TIGHT TINS

\$1.00 16 oz.

Every Pipe Smoker is Enthusiastic About Its Unusual Qualities